

**VERSION DESCRIPTION DOCUMENT
for the
Common Operating Environment (COE)
Communications Software**

Sun Solaris 2.4/2.5.1

Contract Number DAAB07-91-C-N250
CDRL Number 94-L0119-014

10 February 97

Prepared for:
Department of the Army
Headquarters, US Army Communications-Electronics Command
Fort Monmouth, New Jersey 07703-5000

Prepared by:
Science Applications International Corporation (SAIC) - Computer Systems
10770 Wateridge Circle
San Diego, CA 92121

LIST OF EFFECTIVE PAGES

The current revision letter for each section of this document is as follows:

<u>Section</u>	<u>Revision - Date</u>
Entire Document	Rev. A.1 - November 27, 1995
Entire Document.....	Rev. A.2 - August 6, 1996
Entire Document.....	Rev. A.3 - October 11, 1996
Entire Document.....	Rev. A.4 - February 10, 1997

Table of Contents

1. SCOPE	1
1.1 Identification.....	1
1.2 System Overview.....	1
1.3 Document Overview.....	1
2. REFERENCED DOCUMENTS.....	3
2.1 Government Documents.....	3
2.2 Non-Government Documents.....	3
3. VERSION DESCRIPTION	5
3.1 Inventory of Materials Released.....	5
4. INSTALLATION.....	6
4.1 Required Software.....	6
4.1.1 Solaris Required Software	6
4.2 Installation	6
4.2.1 Tar Installation.....	6
4.2.2 Segment Installation.....	6
4.3 TCIM Driver Installation	7
4.3.2 Solaris 2.4/2.5.1 TCIM Driver Installation	7
5. START-UP INSTRUCTIONS	8
5.1 Script Start-Up of the CS	8
6. NOTES.....	9
6.1 Acronyms and Abbreviations.....	9
Appendix A COE CS 1.4.2.5 Software Packages	12
Appendix B COE CS 1.4.2.5 File Set.....	13

1. SCOPE

1.1 Identification

The Common Operating Environment (COE) Communications Software (Ver 1.4.x) provides reliable message delivery through Tactical Communications Interface Modules (TCIMs), Tactical Radio, Local Area Networks (LANs) and Wide Area Networks (WANs). The Communications Server supports both Distributed Computing Environment (DCE) and non-DCE network environments. The Communications Software (CS) enables host computers (Clients) without TCIMs to send/receive messages through TCIMs attached to other host (Server) platforms.

This Version Description Document (VDD) describes the installation and start up instructions for the COE Communications Software (CS).

1.2 System Overview

The COE CS provides the common communications infrastructure for the Army Common Hardware and Software (CHS) program in support of the Army Battle Command System (ABCS). The seven ABCS systems include the Force XXI Battle Command Brigade and Below (FB2C2); and the Army Global Command and Control System (AGCCS); and the five Army Tactical Command and Control Systems (ATCCS): Maneuver Control System (MCS), Forward Area Air Defense Command and Control System (FAADC2), All Source Analysis System (ASAS), Combat Service Support Control System (CSSCS), and Advance Field Artillery Tactical Data System (AFATDS). The use of the COE CS software will improve coordination and control of battlefield forces through effective use of communications resource while minimizing program cost through a systematic reuse process.

1.3 Document Overview

Section 1, Scope identifies and describes the contents of this document.

Section 2, Referenced Documents contains a list of documents referenced within this document.

Section 3, Version Description describes the version of software, media delivered on, changes and known problems.

Section 4, Installation Instructions describes how to install the software.

Section 5, Start Up Instructions explains how to start the software.

Section 6, Notes contains a list of acronyms and abbreviations used in this document.

Appendix A, Software Packages is a listing of the software being delivered.

Appendix B, Software File Set is a file list of the software being delivered.

2.0 REFERENCED DOCUMENTS

2.1 Government Documents

MIL-STD-188-220 Interoperability Standard for Digital Message Transfer Device Subsystems, 7 May 1993, US Army Communications-Electronics Command Fort Monmouth, NJ 07703-5000

2.2 Non-Government Documents

- ACCS-A1-302-001B Common ABCS Support Software (CASS) Segment Specification (CSS), dated 14 November 1994
- IDD-0288-S001 Interface Design Document (IDD) for the Tactical Communications Interface Module (TCIM) Common Interface Software (TCIS) to Applications Software, Rev M, dated October 9, 1995, SAIC Computer Systems Group, 10770 Wateridge Circle, San Diego, CA 92121
- K022-K007-228 MSE System Specification - MPN X.25 Interface Description, Appendix SR-43A, Approved SCN02, dated October 19, 1992, GTE Mobile Subscriber Equipment Division, GTE Government Systems Corporation
- K022-K007-229 MSE System Specification - MPN LAN Interface Description, Appendix SR-45A, Approved SCN02, dated October 19, 1992, GTE Mobile Subscriber Equipment Division, GTE Government Systems Corporation
- RFC 0768 User Datagram Protocol. Postel, J., University of Southern California/Information Sciences Institute (USC/ISI), 4676 Admiralty Way, Marina del Rey, CA 90291, August 1980
- RFC 0791 Internet Protocol. USC/ISI, September 1981
- RFC 0792 Internet Control Message Protocol. Postel, J., USC/ISI, September 1981
- RFC 0793 Transmission Control Protocol. USC/ISI, September 1981
- RFC 0821 Simple Mail Transfer Protocol. Postel, J., USC/ISI, August 1982
- RFC 0826 An Ethernet Address Resolution Protocol - or - Converting Network Protocol Addresses to 48.bit Ethernet Address for Transmission on Ethernet Hardware. Plummer, David C., November 1982

- RFC 0854 Telnet Protocol Specification. Postel, J. and Reynolds, J., USC/ISI, May 1983
- RFC 0855 Telnet Option Specifications. Postel, J. and Reynolds, J., USC/ISI, May 1983
- RFC 0877 A Standard for the Transmission of IP Datagrams Over Public Data Networks. Korb, J., Purdue University, September 1983
- RFC 0894 A Standard for the Transmission of IP Datagrams Over Ethernet Networks. Hornig, C., Symbolics Cambridge Research Center, April 1984
- RFC 0903 A Reverse Address Resolution Protocol. Finlayson, R.; Mann, T.; Mogul, J.; and Theimer, M., Computer Science Department, Stanford University, June 1984
- RFC 0959 File Transfer Protocol (FTP). Postel, J. and Reynolds, J., USC/ISI, October 1985
- RFC 1034 Domain Names - Concepts and Facilities. Mockapetris, P., USC/ISI, November 1987
- RFC 1035 Domain Names - Implementation and Specification. Mockapetris, P., USC/ISI, November 1987
- SUM/N250-94-L0119-008 Software User's Manual for the CASS COE Communications Software, Rev. A, dated October 27, 1995, SAIC Computer Systems Group, 10770 Wateridge Circle, San Diego, CA 92121

3. VERSION DESCRIPTION

3.1 Inventory of Materials Released

Solaris 2.4/2.5.1 COE CS 1.4.2.5 Communications Software and Comms Account Group.

Please see Appendices A & B for a complete listing of the tape contents.

4. INSTALLATION

This section provides the generic installation instructions for each of the platforms. It includes instructions for installing the Communications Server from a DII segmented tape.

4.1 Required Software

4.1.1 Solaris Required Software

1. Sun Solaris version 2.4/2.5.1
2. X-windows with window manager
3. DISA DII 2.0 / 3.0 Kernel

4.2 Segment Installation

4.2.1 Tar Installation

The following steps describe how to install a ‘tar’ copies of the Comms Account Group and the Communications Server onto a Sparc-20 system.

1. Log into the system.
2. Change directory to /h.
3. Untar the Comms Account Group file ‘comms_acctgrp.tar’ at /h/AcctGrps. Run the PostInstall script which is under /h/AcctGrps/COMMS/SegDescip. Note: this install must be done before the Communications Server install of step 4.
4. Untar the Communications Server file ‘comsrv_1.4.2.5_exe_tar’ at /h. Run the PostInstall script which is under /h/COMM_SERVER/SegDescrip.

To Run:

5. After the installation, the user must create a profile and an account. To do this:
 - login to the secman account
 - open the ‘Security Manager’ icon
 - go to ‘create profile’ in the pulldown menu
 - fill in a profile name (cs_comms)
 - pick ‘COMMS’ as your account group
 - go to ‘create account’ in the pulldown menu
 - for the default profile pick COMMS:cs_comms

- in the optional groups box pick 'COE'
- 6. The Army communications server interface is started by:
 - logging into the cs_comms account (created above)
 - adding the 'CS' interface with the add button
 - go into edit to pick a device at APPL QKEY and pick QKEY84
 - exit the add screen
 - highlight the new interface and with the right mouse button pick start
 - Wait 10 seconds and with the right mouse button pick window
 - the input / output message window should be up
 - go back to the EDIT screen, start the Army Netadmin for configuring networks

4.2.2 Segment Installation

The following steps describe how to install the Comms Account Group and Communications Server segments onto a Sparc-20.

1. Log on to the DII workstation as 'sysadmin' so that the installation tool may be used.
2. Go to 'Software' on the pulldown menu and pick 'Segment Installer'.
3. Place the tape with the COE 1.4.2.5 software into the tape drive.
4. Pick 'Select Source' in the GUI and then pick 'Other'. In the input area type '/dev/rmt/0mn' (or other tape drive location depending on your system); (click on 'ok').
5. Pick 'Read Contents'. The Installer will check the tape for the Communications Server segment and the Comms Account Group segment.
6. When the Installer shows the two segments on the tape, pick the 'Communications Server' and install it first by highlighting it and clicking on 'Install'.
7. When the Installer box returns, pick 'Comms Account Group' with the mouse to highlight it and click on 'Install'.
8. This will create the directories COMM_SERVER under /h and COMMS under /h/AcctGrps

To Run:

9. After the installation, the user must create a profile and an account. To do this:
 - login to the secman account

- open the ‘Security Manager’ icon
 - go to ‘create profile’ in the pulldown menu
 - fill in a profile name (cs_comms)
 - pick ‘COMMS’ as your account group
 - go to ‘create account’ in the pulldown menu
 - for the default profile pick COMMS:cs_comms
 - in the optional groups box pick ‘COE’
10. The Army communications server interface is started by:
- logging into the cs_comms account (created above)
 - adding the ‘CS’ interface with the add button
 - go into edit to pick a device at APPL QKEY and pick QKEY84
 - exit the add screen
 - highlight the new interface and with the right mouse button pick start
 - Wait 10 seconds and with the right mouse button pick window
 - the input / output message window should be up
 - go back to the EDIT screen, start the Army Netadmin for configuring networks

4.3 TCIM Driver Installation

The following sections describe how to install the driver for each supported platform.

4.3.1 Solaris 2.4/2.5.1 TCIM Driver Installation

The driver is loaded at run time when the Communications Server Netadmin is started.

5. START-UP INSTRUCTIONS

The following sections explain how to start the CS at the command line.

5.1 Script Start-Up of the CS

Type **cd /h/COMM_SERVER/bin** and press **ENTER**.

Execute script **COMSRV.netadmin.start**

6. NOTES

6.1 Release Note

The Unified Build Universal Comms Processor (UCP) only accepts capital letters when filling out message headers. Because of this, when configuring the Originator/Recipient (O/R) names in the Army Comm Server the user must use capital letters. The Army Comm Server will accept both small and caps but use of small letters when configuring the O/R names will cause a mismatch with the O/R filled out in the UCP message header.

6.2 Acronyms and Abbreviations

The following is a list of acronyms and abbreviations used in this document.

ABCS	Army Battle Command System
ADDS	Army Data Distribution System
AFATDS	Advance Field Artillery Tactical Data System
AGCCS	Army Global Command and Control System
ASAS	All Source Analysis System
ATCCS	Army Tactical Command and Control Systems
CASS	Common ABCS Support Software
CHS	Common Hardware and Software
COE	Common Operating Environment
COMM	Communications
CS	Communications Software
CSS	CASS Segment Specification
CSSCS	Combat Service Support Control System
DAT	Digital Audio Tape
DCE	Distributed Computing Environment
DNS	Domain Name Server
FAADC2	Forward Area Air Defense Command and Control System
FB2C2	Force XXI Battle Command Brigade and Below
GCCS	Global Command and Control System
GTE	General Telephone and Electronics Corporation
HP	Hewlett-Packard
IDD	Interface Design Document
IP	Internet Protocol

JMCIS	Joint Military Communications Information System
JVMF	Joint Variable Message Format
LAN	Local Area Network
MCS	Maneuver Control System
MPN	MSE Packet Network
MSE	Mobile Subscriber Equipment
NRPT	Net Radio Protocol - Tank
RFC	Request for Comments
SAIC	Science Applications International Corporation
STD	Software Test Description
TBD	To Be Determined
TCIM	Tactical Communications Interface Module
TCIS	TCIM Common Interface Software
Unix	Uniplexed Information and Computing System
VDD	Version Description Document
WAN	Wide Area Network

B - COE CS 1.4.2.5 Software Packages

A.1 COE CS Software Package

The COE CS software is made of subpackages for the different functions. These currently include:

- | | |
|---------------------|--|
| JVMF | - The 188-220 network configuration files and scripts. |
| MPN | - The MPN LAN and X.25 configuration information and script files. |
| MTCIS | - The TCIS software for downloading protocols to the TCIM. |
| TCIM | - Test tools for the TCIM's and the TCIM driver. |
| DCE_COMM | - The CS software. |
| COMMS Acct Grp | - Software enabling interface between Army and Navy comm. |
| Segment Information | - Scripts and data files for the CS in a segment format. |

B - COE CS 1.4.2.5 INVENTORY OF FILES

B.1 COE CS Software File Set

```
drwxr-xr-x 0/1    0 Nov 19 14:10 1996 COMM_SERVER/  
drwxr-xr-x 0/1    0 Nov 19 14:09 1996 COMM_SERVER/Scripts/  
-r-xr-xr-x 0/1   281 Nov 13 10:14 1996 COMM_SERVER/Scripts/.cshrc.COMSRV
```

VDD/N250-94-L0119-014
Rev A.4 - February 10, 1997

```
-r-xr-xr-x 0/1 340 Jan 14 18:35 1996 COMM_SERVER/Scripts/cshrc.CS
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/ADA/
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/ADA/TEST/
-rwxr-xr-x 0/1 24271924 Jan 27 18:59 1996 COMM_SERVER/progs/DCE_COMM/ADA/TEST/comm_test
drwxrwxrwx 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/
-rwxr-xr-x 0/1 25632 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/cmn_fmt01
-rwxr-xr-x 0/1 12180 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/cmn_fmt02
-rwxr-xr-x 0/1 117852 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/cmn_recs01
-rwxr-xr-x 0/1 41156 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/comm_fmt01
-rwxr-xr-x 0/1 11916 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/comm_fmt02
-rwxr-xr-x 0/1 82832 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/comm_recs01
-rwxr-xr-x 0/1 43936 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/comm_types01
-rwxr-xr-x 0/1 30756 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/mts5_fmt01
-rwxr-xr-x 0/1 11780 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/mts5_fmt02
-rwxr-xr-x 0/1 214548 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/mts5_recs01
-rwxr-xr-x 0/1 22540 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/mts5_types01
-rwxr-xr-x 0/1 33472 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/mts_fmt01
-rwxr-xr-x 0/1 11780 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/mts_fmt02
-rwxr-xr-x 0/1 200480 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/mts_recs01
-rwxr-xr-x 0/1 23432 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/mts_types01
-rwxr-xr-x 0/1 15316 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/netadmin_func03
-rwxr-xr-x 0/1 8192 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/netadmin_func02
-rwxr-xr-x 0/1 8192 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/netadmin_func01
-rwxr-xr-x 0/1 16216 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/netadmin_func04
-rwxr-xr-x 0/1 17524 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/netadmin_read01
-rwxr-xr-x 0/1 19820 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/netadmin_write01
-rwxr-xr-x 0/1 13288 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/tcis_func01
-rwxr-xr-x 0/1 14780 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/tcis_func02
-rwxr-xr-x 0/1 34040 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/tcis_recs01
-rwxr-xr-x 0/1 56552 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/tcis_types01
-rwxr-xr-x 0/1 32876 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/comm_func01
-rwxr-xr-x 0/1 18376 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/comm_func02
-rwxr-xr-x 0/1 18744 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/unix_spt01
-rwxr-xr-x 0/1 15400 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/unix_spt02
-rwxr-xr-x 0/1 12316 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/unsigned01
-rwxr-xr-x 0/1 8524 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/tcis_types02
-rwxr-xr-x 0/1 8516 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/mts_types02
-rwxr-xr-x 0/1 9100 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/mts_recs02
-rwxr-xr-x 0/1 8516 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/mts5_types02
-rwxr-xr-x 0/1 9124 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/mts5_recs02
-rwxr-xr-x 0/1 8516 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/comm_types02
-rwxr-xr-x 0/1 8524 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/unsigned02
-rwxr-xr-x 0/1 8532 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/cmn_recs02
-rwxr-xr-x 0/1 8540 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/tcis_recs02
-rwxr-xr-x 0/1 9896 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.nets/comm_recs02
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.lines/
-rwxr-xr-x 0/1 100 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.lines/tcis_types01
-rwxr-xr-x 0/1 1052 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.lines/mts_recs01
-rwxr-xr-x 0/1 1228 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.lines/mts5_recs01
-rwxr-xr-x 0/1 688 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.lines/unix_spt01
-rwxr-xr-x 0/1 332 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.lines/cmn_recs01
-rwxr-xr-x 0/1 1128 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.lines/tcis_recs01
-rwxr-xr-x 0/1 116 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.lines/tcis_func01
-rwxr-xr-x 0/1 1272 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.lines/mts_fmt01
-rwxr-xr-x 0/1 1368 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.lines/mts5_fmt01
-rwxr-xr-x 0/1 1024 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.lines/comm_recs01
-rwxr-xr-x 0/1 1000 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.lines/cmn_fmt01
-rwxr-xr-x 0/1 636 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.lines/comm_func01
-rwxr-xr-x 0/1 140 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.lines/netadmin_func03
-rwxr-xr-x 0/1 1544 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.lines/comm_fmt01
-rwxr-xr-x 0/1 836 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.lines/netadmin_write01
-rwxr-xr-x 0/1 472 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.lines/netadmin_read01
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.imports/
-rwxr-xr-x 0/1 8192 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.imports/STANDARD
-rwxr-xr-x 0/1 8192 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.imports/system
-rwxr-xr-x 0/1 8192 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.imports/unsigned_types
-rwxr-xr-x 0/1 8192 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.imports/unchecked_conversion
-rwxr-xr-x 0/1 8192 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.imports/text_.io
```

VDD/N250-94-L0119-014
Rev A.4 - February 10, 1997

```
-rwxr-xr-x 0/1 8192 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.imports/krn_cpu_defs
-rwxr-xr-x 0/1 8192 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.imports/v_i_cifo
-rwxr-xr-x 0/1 8192 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.imports/a_strings
-rwxr-xr-x 0/1 8192 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.imports/krn_defs
-rwxr-xr-x 0/1 8192 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.imports/ada_krn_defs
-rwxr-xr-x 0/1 8192 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.imports/v_i_mutex
-rwxr-xr-x 0/1 8192 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.imports/os_files
-rwxr-xr-x 0/1 8192 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.imports/os_signal
-rwxr-xr-x 0/1 8192 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.imports/io_exceptions
-rwxr-xr-x 0/1 8192 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.imports/link_block
-rwxr-xr-x 0/1 8192 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.imports/v_i_types
-rwxr-xr-x 0/1 8192 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.imports/file_support
-rwxr-xr-x 0/1 8192 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.imports/unchecked_deallocation
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/
-rwxr-xr-x 0/1 2656 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/tcis_types01
-rwxr-xr-x 0/1 704 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/tcis_types02
-rwxr-xr-x 0/1 2440 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/mts_types01
-rwxr-xr-x 0/1 704 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/mts_types02
-rwxr-xr-x 0/1 6896 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/mts_recs01
-rwxr-xr-x 0/1 696 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/mts_recs02
-rwxr-xr-x 0/1 2400 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/mts5_types01
-rwxr-xr-x 0/1 704 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/mts5_types02
-rwxr-xr-x 0/1 7888 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/mts5_recs01
-rwxr-xr-x 0/1 704 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/mts5_recs02
-rwxr-xr-x 0/1 3888 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/comm_types01
-rwxr-xr-x 0/1 704 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/comm_types02
-rwxr-xr-x 0/1 752 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/unsigned01
-rwxr-xr-x 0/1 696 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/unsigned02
-rwxr-xr-x 0/1 768 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/unix_spt02
-rwxr-xr-x 0/1 2064 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/unix_spt01
-rwxr-xr-x 0/1 4600 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/cmn_recs01
-rwxr-xr-x 0/1 696 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/cmn_recs02
-rwxr-xr-x 0/1 5640 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/tcis_recs01
-rwxr-xr-x 0/1 704 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/tcis_recs02
-rwxr-xr-x 0/1 824 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/tcis_func02
-rwxr-xr-x 0/1 1912 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/tcis_func01
-rwxr-xr-x 0/1 760 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/mts_fmt02
-rwxr-xr-x 0/1 4272 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/mts_fmt01
-rwxr-xr-x 0/1 760 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/mts5_fmt02
-rwxr-xr-x 0/1 3952 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/mts5_fmt01
-rwxr-xr-x 0/1 5208 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/comm_recs01
-rwxr-xr-x 0/1 704 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/comm_recs02
-rwxr-xr-x 0/1 760 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/comm_fmt02
-rwxr-xr-x 0/1 760 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/cmn_fmt02
-rwxr-xr-x 0/1 3720 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/cmn_fmt01
-rwxr-xr-x 0/1 840 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/tcomm_func02
-rwxr-xr-x 0/1 3960 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/tcomm_func01
-rwxr-xr-x 0/1 832 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/netadmin_func04
-rwxr-xr-x 0/1 2256 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/netadmin_func03
-rwxr-xr-x 0/1 5864 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/comm_fmt01
-rwxr-xr-x 0/1 3224 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/netadmin_write01
-rwxr-xr-x 0/1 6496 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.objects/netadmin_read01
-rwxr-xr-x 0/1 4553 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/ada.lib
-rwxr-xr-x 0/1 3384 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/gnrx.lib
-rwxr-xr-x 0/1 144 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/GVAS_table
-rwxr-xr-x 0/1 2441 Jan 27 18:41 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/adalib/.options
-rwxr-xr-x 0/1 19749 Feb 22 21:47 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/cmn_recs.ads
-rwxr-xr-x 0/1 871 Feb 22 21:47 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/comm_fmt.ads
-rwxr-xr-x 0/1 15848 Feb 22 21:47 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/comm_recs.ads
-rwxr-xr-x 0/1 10042 Feb 22 21:47 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/comm_types.ads
-rwxr-xr-x 0/1 34570 Feb 22 21:47 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/mts5_recs.ads
-rwxr-xr-x 0/1 4471 Feb 22 21:47 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/mts5_types.ads
-rwxr-xr-x 0/1 32335 Feb 22 21:47 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/mts_recs.ads
-rwxr-xr-x 0/1 4487 Feb 22 21:47 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/mts_types.ads
-rwxr-xr-x 0/1 1547 Feb 22 21:47 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/netadmin_func.ads
-rwxr-xr-x 0/1 1161 Feb 22 21:47 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/tcis_func.ads
-rwxr-xr-x 0/1 4032 Feb 22 21:47 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/tcis_recs.ads
-rwxr-xr-x 0/1 8042 Feb 22 21:47 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/tcis_types.ads
-rwxr-xr-x 0/1 1394 Feb 22 21:47 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/tcomm_func.ads
-rwxr-xr-x 0/1 1011 Feb 22 21:47 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/unix_spt.ads
-rwxr-xr-x 0/1 421 Feb 22 21:47 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/unsigned.ads
-rwxr-xr-x 0/1 1062 Feb 22 21:48 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/cmn_fmt.adx
```

VDD/N250-94-L0119-014
Rev A.4 - February 10, 1997

```
-rwxr-xr-x 0/1 1315 Feb 22 21:48 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/mts5_fmt.adx
-rwxr-xr-x 0/1 1016 Feb 22 21:48 1996 COMM_SERVER/progs/DCE_COMM/ADA/BINDINGS/mts_fmt.adx
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/DCP/
-rwxrwxrwx 0/1 40960 Mar 14 17:06 1996 COMM_SERVER/progs/DCE_COMM/DCP/dcpvcv
-rwxrwxrwx 0/1 39368 Mar 14 17:06 1996 COMM_SERVER/progs/DCE_COMM/DCP/dcpxmt
-rwxrwxrwx 0/1 50000 Jan 25 21:01 1996 COMM_SERVER/progs/DCE_COMM/DCP/dcpvcv.dce13
-rwxr-xr-x 0/1 51044 Feb 16 10:38 1996 COMM_SERVER/progs/DCE_COMM/DCP/dcpvcv.dce13f
-rwxrwxrwx 0/1 47768 Jan 25 21:02 1996 COMM_SERVER/progs/DCE_COMM/DCP/dcpxmt.dce13
-rwxr-xr-x 0/1 48740 Feb 16 10:39 1996 COMM_SERVER/progs/DCE_COMM/DCP/dcpxmt.dce13f
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/
-rwxr-xr-x 0/1 2210888 Nov 18 08:18 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/netadmin
-rwsrwsrwx 0/1 4980 Mar 14 08:39 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/start_j
-rxr-xr-x 0/1 38 Jan 15 18:39 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/start_jvmf
-rxr-xr-x 0/1 63 Jan 15 18:39 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/start_jvmf_sco
-rwsrwsrwx 0/1 5676 Mar 14 08:39 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/start_m
-rxr-xr-x 0/1 520 Apr 26 16:26 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/start_mpn
-rxr-xr-x 0/1 428 Jan 15 18:39 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/start_mpn_sco
-rxr-xr-x 0/1 35 Jan 15 18:39 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/start_tcis
-rxr-xr-x 0/1 121 Jan 15 18:39 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/start_tkined
-rwxr-xr-x 0/1 16384 Jan 15 19:00 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/cds.uid
-rwxr-xr-x 0/1 12288 Jan 15 19:00 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/client.uid
-rwxr-xr-x 0/1 12288 Jan 15 19:00 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/server.uid
-rwxr-xr-x 0/1 18720 Jan 15 19:00 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/dceclient
-rwxr-xr-x 0/1 18496 Jan 15 19:00 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/dceserver
-rwxr-xr-x 0/1 19292 Jan 15 19:00 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/autocds
-rwxr-xr-x 0/1 36952 Jan 15 19:00 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/cdstool
-rxr-xr-x 0/1 19366 Jan 15 18:59 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/dce_server_config
-rxr-xr-x 0/1 15051 Mar 15 09:43 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/dce_client_config
-rxr-xr-x 0/1 1806 Jan 15 18:59 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/rc.server
-rxr-xr-x 0/1 1775 Jan 15 18:59 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/rc.client
-rxr-xr-x 0/1 69 Jan 15 18:38 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/jmapsdn
-rxr-xr-x 0/1 103 Jan 15 18:38 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/jmapsup
-rxr-xr-x 0/1 43 Jan 15 18:38 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/jmpsdn
-rxr-xr-x 0/1 126 Jan 15 18:38 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/jmpsup
-rwxr-xr-x 0/1 8380 Feb 7 14:32 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/killit
-rwxr-xr-x 0/1 71228 Mar 20 09:00 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/ftpvcv
-rwsr-sr-x 0/1 5692 Mar 14 08:46 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/stop_j
-rxr-xr-x 0/1 21 Jan 15 18:39 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/stop_jvmf
-rwxr-xr-x 0/1 8316 Jan 15 18:58 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/killipc
-rxr-xr-x 0/1 141 Jan 15 18:38 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/alerts_client
-rxr-xr-x 0/1 559 Jan 15 18:38 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/alerts_server
-rxr-xr-x 0/1 95 Jan 15 18:38 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/alerts_stop
-rxr-xr-x 0/1 108 Jan 15 18:38 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/dds_client
-rxr-xr-x 0/1 151 Jan 15 18:38 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/dds_dbm
-rxr-xr-x 0/1 151 Jan 15 18:38 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/dds_dlt
-rxr-xr-x 0/1 152 Jan 15 18:38 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/dds_foam
-rxr-xr-x 0/1 107 Jan 15 18:38 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/dds_server
-rxr-xr-x 0/1 272 Jan 15 18:38 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/dds_stop
-rxr-xr-x 0/1 237 Jan 15 18:59 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/.Xdefault
-rxr-xr-x 0/1 103 Jan 15 18:38 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/dce_client
-rxr-xr-x 0/1 103 Jan 15 18:38 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/dce_server
-rxr-xr-x 0/1 836 Jan 15 18:38 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/MENU.DAT
-rxr-xr-x 0/1 99 Jan 15 18:38 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/cds_browser
-rxr-xr-x 0/1 101 Jan 15 18:38 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/auto_cds
-rwxrwxrwx 0/1 0 Nov 18 08:21 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/scsi.log
-rxr-xr-x 0/1 3169 Jun 24 12:20 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/net_tools.c
-rwxr-xr-x 0/1 65136 Mar 11 12:18 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/net_tools.o
-rwsrwsrwx 0/1 5084 Mar 14 08:39 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/start_netadmin
-rwxr-xr-x 0/1 71488 Mar 20 09:00 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/ftpvcv.sav
-rwxrwxrwx 0/1 984729 Sep 3 13:44 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/dumy.dat.Z
-rw-r-r- 0/1 26262 Nov 12 14:28 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/Netadmin
-rw-rw-r- 0/1 741 May 6 09:40 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/M220A.Config
-rwsrwsrwx 0/1 4980 Mar 26 13:33 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/start_a
-rxr-xr-x 0/1 38 Mar 26 13:39 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/start_a220
-rw-rw-rw- 0/1 0 Apr 11 08:55 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/ip_config
-rw-rw-rw- 0/1 0 Apr 11 08:55 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/tcimstack
-rw-rw-rw- 0/1 741 Apr 24 09:51 1996 COMM_SERVER/progs/DCE_COMM/NETADMIN/M220A.Config.sav
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/TCOMM/
-rwxr-xr-x 0/1 509124 Nov 7 09:21 1996 COMM_SERVER/progs/DCE_COMM/TCOMM/tcomm
drwxrwxrwx 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/MCS/
-rwxr-xr-x 0/1 33668 Nov 6 13:47 1996 COMM_SERVER/progs/DCE_COMM/MCS/mesg_mailer
-rxr-xr-x 0/1 2066 Jan 14 17:19 1996 COMM_SERVER/progs/DCE_COMM/MCS/README
```

VDD/N250-94-L0119-014
Rev A.4 - February 10, 1997

```

-rw-rw-rw- 1/1 41341 Nov 14 13:15 1996 COMM_SERVER/progs/DCE_COMM/MCS/debug.dat
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/B2C2TEST/
-rwrxr-xr-x 0/1 86352 Jan 15 19:00 1996 COMM_SERVER/progs/DCE_COMM/B2C2TEST/b2c2test.dat
-r-txr-xr-x 0/1 89 Jan 14 17:18 1996 COMM_SERVER/progs/DCE_COMM/B2C2TEST/b2c2test.dat
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/XTEST/
-rwrxr-xr-x 0/1 105280 Nov 13 15:40 1996 COMM_SERVER/progs/DCE_COMM/XTEST/xtest
-rwsrwsrwx 0/1 5092 Jun 11 11:41 1996 COMM_SERVER/progs/DCE_COMM/XTEST/start_xtest
-rwrxrwxrwx 0/1 851 Nov 13 10:27 1996 COMM_SERVER/progs/DCE_COMM/XTEST/Xtest
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/COMM_MSG_ISC/
-rwrxr-xr-x 0/1 27160 Mar 14 15:41 1996 COMM_SERVER/progs/DCE_COMM/COMM_MSG_ISC/test_get
-rwrxr-xr-x 0/1 28140 Mar 11 12:49 1996 COMM_SERVER/progs/DCE_COMM/COMM_MSG_ISC/test_send
-r-txr-xr-x 0/1 791 Mar 14 15:41 1996 COMM_SERVER/progs/DCE_COMM/COMM_MSG_ISC/send_msg
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/COMM_MSG_ISC/outmsgs/
-rwrxr-xr-x 0/1 0 Jan 14 17:18 1996 COMM_SERVER/progs/DCE_COMM/COMM_MSG_ISC/outmsgs/out
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/COMM_MSG_ISC/ALERTS/
-rwrxr-xr-x 0/1 87 Jan 14 17:18 1996 COMM_SERVER/progs/DCE_COMM/COMM_MSG_ISC/ALERTS/alert
-rwrxr-xr-x 0/1 3042472 Jan 14 17:18 1996 COMM_SERVER/progs/DCE_COMM/COMM_MSG_ISC/ALERTS/gccs_alert
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/SHMEM/
-r-txr-xr-x 0/1 2805 Jan 14 17:20 1996 COMM_SERVER/progs/DCE_COMM/SHMEM.SHMEM.NOTES
-rwrxr-xr-x 0/1 31460 Mar 9 16:19 1996 COMM_SERVER/progs/DCE_COMM/SHMEM/tcommlib.a
drwxrwxrwx 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/CONFIG/
-rwrxr-xr-x 0/1 187 Nov 14 11:15 1996 COMM_SERVER/progs/DCE_COMM/CONFIG/ORG.DAT
-rwrxr-xr-x 0/1 186 Nov 14 08:52 1996 COMM_SERVER/progs/DCE_COMM/CONFIG/CONFIG.DAT
-rwrxr-xr-x 0/1 747 Nov 14 09:20 1996 COMM_SERVER/progs/DCE_COMM/CONFIG/MAIL.DAT
-rw-rw-rw- 0/1 81 Sep 25 16:21 1996 COMM_SERVER/progs/DCE_COMM/CONFIG/TCIS041.CFG
-rwrxr-xr-x 0/1 66 Mar 12 14:48 1996 COMM_SERVER/progs/DCE_COMM/CONFIG/TCIS022.CFG
-rwrxr-xr-x 0/1 66 Mar 14 13:51 1996 COMM_SERVER/progs/DCE_COMM/CONFIG/TCIS032.CFG
-rw-r-r-- 0/1 270 Mar 21 09:05 1996 COMM_SERVER/progs/DCE_COMM/CONFIG/PPP.DAT
--w----- 0/1 0 Nov 12 14:26 1996 COMM_SERVER/progs/DCE_COMM/CONFIG/TCOMM_CLIENT
-rw-rw-rw- 0/1 90 Sep 16 08:59 1996 COMM_SERVER/progs/DCE_COMM/CONFIG/TCIS042.CFG
-rw-rw-rw- 0/1 194 Jul 24 15:39 1996 COMM_SERVER/progs/DCE_COMM/CONFIG/phone.sav
-rw-rw-rw- 0/1 159 Aug 26 08:31 1996 COMM_SERVER/progs/DCE_COMM/CONFIG/phone_mts041.DAT
-rw-rw-rw- 0/1 0 Sep 13 12:25 1996 COMM_SERVER/progs/DCE_COMM/CONFIG/mts_data05
-rw-rw-rw- 0/1 0 Aug 16 14:11 1996 COMM_SERVER/progs/DCE_COMM/CONFIG/mts_data12
d-wx-xr-x 0/1 0 Mar 13 17:30 1996 COMM_SERVER/progs/DCE_COMM/FTP/
dr-x-x-x-x 0/1 0 Mar 13 17:30 1996 COMM_SERVER/progs/DCE_COMM/LOG/
drwxrwxrwx 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/AUTOCOMM/
-rwrxrwxrwx 0/1 5632 Oct 24 13:30 1996 COMM_SERVER/progs/DCE_COMM/AUTOCOMM/autocfg
-rwsrwsrwx 0/1 256 Oct 24 13:30 1996 COMM_SERVER/progs/DCE_COMM/AUTOCOMM/autocfg.dat
-rwrxrwxrwx 0/1 7312 Oct 24 13:30 1996 COMM_SERVER/progs/DCE_COMM/AUTOCOMM/killit
-rw-rw-rw- 0/1 477 Oct 24 13:30 1996 COMM_SERVER/progs/DCE_COMM/AUTOCOMM/autocomm
-rw-r-r-- 0/1 1810 Oct 24 13:30 1996 COMM_SERVER/progs/DCE_COMM/AUTOCOMM/README
-rw-rw-rw- 0/1 989 Oct 24 13:30 1996 COMM_SERVER/progs/DCE_COMM/AUTOCOMM/tmp.netfile
-rw-rw-rw- 0/1 1348 Oct 24 13:30 1996 COMM_SERVER/progs/DCE_COMM/AUTOCOMM/autocfg.c.lan
-rw-rw-rw- 0/1 256 Oct 24 13:30 1996 COMM_SERVER/progs/DCE_COMM/AUTOCOMM/autocfg.lan
drwxrwxrwx 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/AUTOCOMM/autocfg.mpn.d/
-rw-rw-rw- 0/1 1321 Oct 24 13:37 1996 COMM_SERVER/progs/DCE_COMM/AUTOCOMM/autocfg.mpn.d/COMSRV_start
-rw-rw-rw- 0/1 1520 Oct 24 13:37 1996 COMM_SERVER/progs/DCE_COMM/AUTOCOMM/autocfg.mpn.d/README
-rwrxr-xr-x 0/1 6156 Nov 6 14:20 1996 COMM_SERVER/progs/DCE_COMM/AUTOCOMM/autocfg.mpn.d/autocfg
-rw-rw-rw- 0/1 1582 Oct 24 13:37 1996 COMM_SERVER/progs/DCE_COMM/AUTOCOMM/autocfg.mpn.d/autocfg.c
-rw-rw-rw- 0/1 256 Oct 24 13:37 1996 COMM_SERVER/progs/DCE_COMM/AUTOCOMM/autocfg.mpn.d/autocfg.dat
-rw-rw-rw- 0/1 1146 Nov 6 14:16 1996 COMM_SERVER/progs/DCE_COMM/AUTOCOMM/autocfg.mpn.d/makefile
-rw-rw-rw- 0/1 256 Jul 25 11:22 1996 COMM_SERVER/progs/DCE_COMM/AUTOCOMM/autocfg.old
-rwrxr-xr-x 0/1 73248 Nov 6 14:19 1996 COMM_SERVER/progs/DCE_COMM/AUTOCOMM/autocomm
-r-txr-xr-x 0/1 292 Oct 24 13:30 1996 COMM_SERVER/progs/DCE_COMM/AUTOCOMM/autostart
drwxrwxrwx 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/DCE_COMM/COMMSTAT/
-rwrxrwxrwx 0/1 15220 Aug 6 14:41 1996 COMM_SERVER/progs/DCE_COMM/COMMSTAT/commstat
-rw-rw-rw- 0/1 123 Aug 12 16:56 1996 COMM_SERVER/progs/DCE_COMM/COMMSTAT/Commstat
-rw-rw-rw- 0/1 405 Aug 12 16:55 1996 COMM_SERVER/progs/DCE_COMM/COMMSTAT/start_comstat
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/TCIM/
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/TCIM/TCIMLD/
-rwrxr-xr-x 0/1 12292 Feb 21 16:18 1996 COMM_SERVER/progs/TCIM/TCIMLD/tcimld
-rwrxr-xr-x 0/1 41768 Feb 21 16:18 1996 COMM_SERVER/progs/TCIM/TCIMLD/qldr
-rwrxr-xr-x 0/1 9632 Feb 21 16:18 1996 COMM_SERVER/progs/TCIM/TCIMLD/infowin
-rwrxr-xr-x 0/1 131 Sep 25 16:22 1996 COMM_SERVER/progs/TCIM/TCIMLD/PROTOCOL.DAT
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/TCIM/XTCND/
-rwrxr-xr-x 0/1 2780496 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/xtcnd
-rwrxr-xr-x 0/1 73728 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/adds.uid
-rwrxr-xr-x 0/1 319488 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/afatds.uid
-rwrxr-xr-x 0/1 73728 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/bit.uid
-rwrxr-xr-x 0/1 32768 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/c110.uid
-rwrxr-xr-x 0/1 81920 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/cmt.uid

```

VDD/N250-94-L0119-014
Rev A.4 - February 10, 1997

```
-rwxr-xr-x 0/1 163840 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/ddn.uid
-rwxr-xr-x 0/1 28672 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/debug.uid
-rwxr-xr-x 0/1 86016 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/filexfer.uid
-rwxr-xr-x 0/1 126976 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/fs.uid
-rwxr-xr-x 0/1 40960 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/gdu.uid
-rwxr-xr-x 0/1 147456 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/ifs.uid
-rwxr-xr-x 0/1 12288 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/jvmf.uid
-rwxr-xr-x 0/1 139264 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/mcs.uid
-rwxr-xr-x 0/1 118784 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/mt5.uid
-rwxr-xr-x 0/1 102400 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/mts.uid
-rwxr-xr-x 0/1 188416 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/nrp.uid
-rwxr-xr-x 0/1 110592 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/nrptank.uid
-rwxr-xr-x 0/1 24576 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/simcnr.uid
-rwxr-xr-x 0/1 20480 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/simgdu.uid
-rwxr-xr-x 0/1 176128 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/tcim.uid
-rwxr-xr-x 0/1 77824 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/uls.uid
-rwxr-xr-x 0/1 151552 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/XTCND/vmf.uid
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/
-rwxr-xr-x 0/1 45341 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/adds1.imp
-rwxr-xr-x 0/1 93962 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/cmt1.imp
-rwxr-xr-x 0/1 75104 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/cmt2.imp
-rwxr-xr-x 0/1 88620 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/fsl1.imp
-rwxr-xr-x 0/1 70486 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/fsl2.imp
-rwxr-xr-x 0/1 52602 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/gdu1.imp
-rwxr-xr-x 0/1 52602 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/gdu2.imp
-rwxr-xr-x 0/1 93126 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/ifs1.imp
-rwxr-xr-x 0/1 75296 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/ifs2.imp
-rwxr-xr-x 0/1 112775 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/ifs1.iimp
-rwxr-xr-x 0/1 93281 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/ifs2.iimp
-rwxr-xr-x 0/1 156743 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/jvmf1.imp
-rwxr-xr-x 0/1 137429 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/jvmf2.imp
-rwxr-xr-x 0/1 95404 Feb 5 15:39 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/mts1.iimp
-rwxr-xr-x 0/1 76538 Feb 5 15:39 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/mts2.iimp
-rwxr-xr-x 0/1 99409 Feb 5 15:39 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/mts51.iimp
-rwxr-xr-x 0/1 80551 Feb 5 15:39 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/mts52.iimp
-rwxr-xr-x 0/1 133160 Feb 5 15:39 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/mts5sst1.iimp
-rwxr-xr-x 0/1 111252 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/nifs1.iimp
-rwxr-xr-x 0/1 91946 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/nifs2.iimp
-rwxr-xr-x 0/1 131149 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/nrp1.iimp
-rwxr-xr-x 0/1 112291 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/nrp2.iimp
-rwxr-xr-x 0/1 78613 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/nrp1.iimp
-rwxr-xr-x 0/1 78613 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/nrp2.iimp
-rwxr-xr-x 0/1 81290 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/nrptawel.iimp
-rwxr-xr-x 0/1 81290 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/nrptawe2.iimp
-rwxr-xr-x 0/1 49593 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/simcnr1.iimp
-rwxr-xr-x 0/1 49593 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/simcnr2.iimp
-rwxr-xr-x 0/1 47215 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/simgdu1.iimp
-rwxr-xr-x 0/1 47215 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/simgdu2.iimp
-rwxr--r-x 0/1 24381 Mar 1 17:42 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/tcimcntl.iimp
-rwxr-xr-x 0/1 40922 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/uls1.iimp
-rwxr-xr-x 0/1 44474 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/x25c1.iimp
-rwxrwxrwx 0/1 30331 Feb 5 15:39 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/spp_ch1.iimp
-rwxrwxrwx 0/1 30331 Feb 5 15:39 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/spp_ch2.iimp
-rwxr-xr-x 0/1 171976 Feb 5 15:39 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/tcfamct.iimp
-rwxr-xr-x 0/1 10768 Feb 5 15:39 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/tcimcntl.imsav
-rw-r--r- 0/1 160963 Mar 1 17:57 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/a22014_1.iimp
-rw-r--r- 0/1 160963 Mar 1 17:57 1996 COMM_SERVER/progs/TCIM/PROTOCOLS/a22014_2.iimp
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/TCIM/TCIMTEST/
-rwxr-xr-x 0/1 68644 Jan 14 18:25 1996 COMM_SERVER/progs/TCIM/TCIMTEST/tcimtest
-rwxr-xr-x 0/1 30880 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/TCIMTEST/tcimcntl.sss
-rwxr-xr-x 0/1 127582 Jan 14 17:31 1996 COMM_SERVER/progs/TCIM/TCIMTEST/x25c1.sss
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/
-rwxr-xr-x 0/1 71468 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/ijn
-rwxr-xr-x 0/1 80104 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/ile
-rwxr-xr-x 0/1 90992 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/ixe
-rwxr-xr-x 0/1 86696 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/ixn
-rwxr-xr-x 0/1 57288 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/tcim
-rwxr-xr-x 0/1 5996 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/ijtun
-rwxr-xr-x 0/1 5996 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/iptun
-rwxr-xr-x 0/1 743 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/tcim.conf
-rwxr-xr-x 0/1 37 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/tcim.sed
-rwxr-xr-x 0/1 91 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/LOAD
```

VDD/N250-94-L0119-014
Rev A.4 - February 10, 1997

```

-rwxr-xr-x 0/1 53 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/ijnload
-rwxr-xr-x 0/1 22 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/tcim.system
-rwxrwxrwx 0/1 106 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/autopush.ijtun
-rwxr-xr-x 0/1 74 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/ijtunload
-rwxrwxrwx 0/1 39 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/ijni.conf
-rwxrwxrwx 0/1 39 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/ile.conf
-rwxr-xr-x 0/1 63 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/ileload
-rwxrwxrwx 0/1 106 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/autopush.ijtun
-rwxr-xr-x 0/1 74 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/iptunload
-rwxrwxrwx 0/1 39 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/ixn.conf
-rwxr-xr-x 0/1 63 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/ixnload
-rwxrwxrwx 0/1 39 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/ixe.conf
-rwxr-xr-x 0/1 63 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/ixeload
-rwxr-xr-x 0/1 221 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/LOAD_JVMF
-rwxr-xr-x 0/1 221 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/LOAD_MPN
-rwxr-xr-x 0/1 315 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/LOAD_TCIM
-rwxrwxr-x 0/1 9709 Feb 21 01:28 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/devlink.tab
-rwxr-xr-x 0/1 38 Feb 21 01:10 1996 COMM_SERVER/progs/TCIM/TCIMDRV_OLD/tcim.tab
drwxrwxrwx 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/TCIM/TCIMDRV/
-rwxr-xr-x 0/1 71420 Feb 21 21:58 1996 COMM_SERVER/progs/TCIM/TCIMDRV/ijn
-rxr-xr-x 0/1 103 Mar 21 10:58 1996 COMM_SERVER/progs/TCIM/TCIMDRV/LOAD
-rxr-xr-x 0/1 221 Dec 20 18:08 1995 COMM_SERVER/progs/TCIM/TCIMDRV/LOAD_JVMF
-rxr-xr-x 0/1 221 Dec 20 18:08 1995 COMM_SERVER/progs/TCIM/TCIMDRV/LOAD_MPN
-rxr-xr-x 0/1 315 Dec 20 18:08 1995 COMM_SERVER/progs/TCIM/TCIMDRV/LOAD_TCIM
-rxr-xr-x 0/1 106 Dec 20 18:08 1995 COMM_SERVER/progs/TCIM/TCIMDRV/autopush.ijtun
-rxr-xr-x 0/1 106 Dec 20 18:08 1995 COMM_SERVER/progs/TCIM/TCIMDRV/autopush.ijtun
-rxr-xr-x 0/1 6341 Nov 18 08:21 1996 COMM_SERVER/progs/TCIM/TCIMDRV/devlink.tab
-rxr-xr-x 0/1 39 Dec 20 18:08 1995 COMM_SERVER/progs/TCIM/TCIMDRV/ijn.conf
-rxr-xr-x 0/1 53 Dec 20 18:08 1995 COMM_SERVER/progs/TCIM/TCIMDRV/ijnload
-rxr-xr-x 0/1 74 Dec 20 18:08 1995 COMM_SERVER/progs/TCIM/TCIMDRV/ijtunload
-rxr-xr-x 0/1 39 Dec 20 18:08 1995 COMM_SERVER/progs/TCIM/TCIMDRV/ile.conf
-rxr-xr-x 0/1 63 Dec 20 18:08 1995 COMM_SERVER/progs/TCIM/TCIMDRV/ileload
-rxr-xr-x 0/1 74 Dec 20 18:08 1995 COMM_SERVER/progs/TCIM/TCIMDRV/iptunload
-rxr-xr-x 0/1 39 Dec 20 18:08 1995 COMM_SERVER/progs/TCIM/TCIMDRV/ixe.conf
-rxr-xr-x 0/1 63 Dec 20 18:08 1995 COMM_SERVER/progs/TCIM/TCIMDRV/ixeload
-rxr-xr-x 0/1 39 Dec 20 18:08 1995 COMM_SERVER/progs/TCIM/TCIMDRV/ixn.conf
-rxr-xr-x 0/1 63 Dec 20 18:08 1995 COMM_SERVER/progs/TCIM/TCIMDRV/ixnload
-rxr-xr-x 0/1 743 Dec 20 18:08 1995 COMM_SERVER/progs/TCIM/TCIMDRV/tcim.conf
-rxr-xr-x 0/1 37 Dec 20 18:08 1995 COMM_SERVER/progs/TCIM/TCIMDRV/tcim.sed
-rxr-xr-x 0/1 22 Dec 20 18:08 1995 COMM_SERVER/progs/TCIM/TCIMDRV/tcim.system
-rxr-xr-x 0/1 38 Dec 20 18:08 1995 COMM_SERVER/progs/TCIM/TCIMDRV/tcim.tab
-rwxr-xr-x 0/1 80328 Mar 15 14:18 1996 COMM_SERVER/progs/TCIM/TCIMDRV/ile
-rwxr-xr-x 0/1 91104 Mar 15 14:18 1996 COMM_SERVER/progs/TCIM/TCIMDRV/ixe
-rwxr-xr-x 0/1 86648 Feb 21 21:58 1996 COMM_SERVER/progs/TCIM/TCIMDRV/ixn
-rw-rw-- 0/1 51716 Mar 21 10:27 1996 COMM_SERVER/progs/TCIM/TCIMDRV/tcim
-rwxr-xr-x 0/1 5984 Feb 21 21:58 1996 COMM_SERVER/progs/TCIM/TCIMDRV/ijtun
-rwxr-xr-x 0/1 5984 Feb 21 21:58 1996 COMM_SERVER/progs/TCIM/TCIMDRV/iptun
-rwxrwxrwx 0/1 4976 Mar 14 08:35 1996 COMM_SERVER/progs/TCIM/TCIMDRV/start_load
-rxr-xr-x 0/1 106 Mar 21 10:56 1996 COMM_SERVER/progs/TCIM/TCIMDRV/autopush.ijtun
-rw-r--r-- 0/1 54684 Apr 23 15:49 1996 COMM_SERVER/progs/TCIM/TCIMDRV/iae
-rxr-xr-x 0/1 39 Apr 16 14:04 1996 COMM_SERVER/progs/TCIM/TCIMDRV/iae.conf
-rxr-xr-x 0/1 53 Mar 21 10:56 1996 COMM_SERVER/progs/TCIM/TCIMDRV/iae.load
-rwxr-xr-x 0/1 201 Mar 21 11:01 1996 COMM_SERVER/progs/TCIM/TCIMDRV/LOAD_A220
-rw-r--r-- 0/1 5900 Apr 16 14:04 1996 COMM_SERVER/progs/TCIM/TCIMDRV/iatun
-rxr-xr-x 0/1 74 Mar 21 10:56 1996 COMM_SERVER/progs/TCIM/TCIMDRV/iatunload
-rw-r--r-- 0/1 50196 Apr 2 13:49 1996 COMM_SERVER/progs/TCIM/TCIMDRV/iae.org
-rw-r--r-- 0/1 53364 Apr 2 13:49 1996 COMM_SERVER/progs/TCIM/TCIMDRV/iae.org2
-rw-r--r-- 0/1 53896 Apr 5 11:54 1996 COMM_SERVER/progs/TCIM/TCIMDRV/iae.405
-rw-r--r-- 0/1 53364 Apr 5 16:28 1996 COMM_SERVER/progs/TCIM/TCIMDRV/iae.328
-rw-r--r-- 0/1 54996 Apr 10 13:46 1996 COMM_SERVER/progs/TCIM/TCIMDRV/iae.408
-rwxrwxrwx 0/1 169 Apr 16 09:20 1996 COMM_SERVER/progs/TCIM/TCIMDRV/rem_iatun
-rwxrwxrwx 0/1 169 Apr 16 09:24 1996 COMM_SERVER/progs/TCIM/TCIMDRV/rem_ijtun
-rwxrwxrwx 0/1 169 Apr 16 09:25 1996 COMM_SERVER/progs/TCIM/TCIMDRV/rem_iptun
-rw-r--r-- 0/1 54116 Apr 23 15:49 1996 COMM_SERVER/progs/TCIM/TCIMDRV/iae.416
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/JVMF/
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/JVMF/bin/
-rwxr-xr-x 0/1 10112 Feb 21 19:36 1996 COMM_SERVER/progs/JVMF/bin/ijndbsta
-rxr-xr-x 0/1 1817 Dec 22 11:07 1995 COMM_SERVER/progs/JVMF/bin/S80jvmf
-rxr-xr-x 0/1 7164 Dec 22 11:07 1995 COMM_SERVER/progs/JVMF/bin/S81jvmf
-rxr-xr-x 0/1 1558 Jun 19 11:23 1996 COMM_SERVER/progs/JVMF/bin/jvmf
-rxr-xr-x 0/1 1733 Dec 22 11:07 1995 COMM_SERVER/progs/JVMF/bin/jvmf.prep
-rxr-xr-x 0/1 2316 Apr 22 10:15 1996 COMM_SERVER/progs/JVMF/bin/tcimload

```

VDD/N250-94-L0119-014
Rev A.4 - February 10, 1997

```
-rwxr-xr-x 0/1 10084 Feb 21 19:36 1996 COMM_SERVER/progs/JVMF/bin/iledbsta
-rwxr-xr-x 0/1 22448 Feb 21 19:36 1996 COMM_SERVER/progs/JVMF/bin/iletune
-rwxr-xr-x 0/1 23536 Feb 21 19:36 1996 COMM_SERVER/progs/JVMF/bin/ilemap
-rwxr-xr-x 0/1 54148 Feb 21 19:36 1996 COMM_SERVER/progs/JVMF/bin/ijinstr
-rwxr-xr-x 0/1 52880 Feb 21 19:36 1996 COMM_SERVER/progs/JVMF/bin/ijinstp
-rwxr-xr-x 0/1 12032 Feb 21 19:36 1996 COMM_SERVER/progs/JVMF/bin/tcimstk2
-rwxr-xr-x 0/1 9864 Nov 14 18:56 1995 COMM_SERVER/progs/JVMF/bin/ixndbsta
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/JVMF/config/
-rw-rw-rw- 0/1 3162 Sep 20 13:33 1996 COMM_SERVER/progs/JVMF/config/JVMF.CONFIG
-rwxr-xr-x 0/1 3163 Feb 21 20:21 1996 COMM_SERVER/progs/JVMF/config/JVMF.CONFIG.2w
-rwxr-xr-x 0/1 3163 Feb 21 20:21 1996 COMM_SERVER/progs/JVMF/config/JVMF.CONFIG.i.com
-rwxr-xr-x 0/1 104 Sep 20 13:33 1996 COMM_SERVER/progs/JVMF/config/JVMF.TCIM.LOAD
-rw-rw-rw- 0/1 0 Sep 20 13:33 1996 COMM_SERVER/progs/JVMF/config/JVMF_BOOT.JVMF
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/JVMF/config/working/
-rwxr-xr-x 0/1 3162 Feb 21 15:09 1996 COMM_SERVER/progs/JVMF/config/working/JVMF.CONFIG
-rwxr-xr-x 0/1 3163 Nov 14 18:56 1995 COMM_SERVER/progs/JVMF/config/working/JVMF.CONFIG.2w
-rwxr-xr-x 0/1 3163 Nov 14 18:56 1995 COMM_SERVER/progs/JVMF/config/working/JVMF.CONFIG.i.com
-rwxr-xr-x 0/1 105 Feb 21 15:01 1996 COMM_SERVER/progs/JVMF/config/working/JVMF.TCIM.LOAD
-rwxr-xr-x 0/1 0 Feb 21 20:20 1996 COMM_SERVER/progs/JVMF/config/working/JVMF_BOOT.JVMF
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/JVMF/data/
-rw-rw-rw- 0/1 636 Sep 20 13:33 1996 COMM_SERVER/progs/JVMF/data/ilemapconf
-rwxr-xr-x 0/1 46 Sep 20 13:33 1996 COMM_SERVER/progs/JVMF/data/iletuneconf
-rw-rw-rw- 0/1 190 Sep 20 13:33 1996 COMM_SERVER/progs/JVMF/data/tcimstack
-rw-rw-rw- 0/1 59 Sep 20 13:33 1996 COMM_SERVER/progs/JVMF/data/ip_config
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/JVMF/data/working/
-rwxr-xr-x 0/1 636 Feb 21 20:21 1996 COMM_SERVER/progs/JVMF/data/working/ilemapconf
-rwxr-xr-x 0/1 46 Feb 21 20:21 1996 COMM_SERVER/progs/JVMF/data/working/iletuneconf
-rwxr-xr-x 0/1 59 Feb 21 20:21 1996 COMM_SERVER/progs/JVMF/data/working/ip_config
-rwxr-xr-x 0/1 190 Feb 21 20:21 1996 COMM_SERVER/progs/JVMF/data/working/tcimstack
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/JVMF/status/
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/JVMF/status/log/
-rwxr-xr-x 0/1 253944 Sep 20 13:33 1996 COMM_SERVER/progs/JVMF/status/log/jvmf.boot.log
-rw-rw-rw- 0/1 3 Sep 20 13:33 1996 COMM_SERVER/progs/JVMF/status/TCIM.INFO
-rw-rw-rw- 0/1 21 Sep 20 13:33 1996 COMM_SERVER/progs/JVMF/status/IP.ADDRESS
-rw-rw-rw- 0/1 10432 Sep 20 13:33 1996 COMM_SERVER/progs/JVMF/status/IJNSTR.LOG
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/JVMF/tciminfo/
-rwxr-xr-x 0/1 13892 Nov 14 18:56 1995 COMM_SERVER/progs/JVMF/tciminfo/tciminfo
-rw-rw-rw- 0/1 949 Sep 20 13:33 1996 COMM_SERVER/progs/JVMF/tciminfo/TCIMINFO.LOG
-rw-rw-rw- 0/1 3 Sep 20 13:33 1996 COMM_SERVER/progs/JVMF/tciminfo/TCIM.INFO
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/MTCIS/
drwxr-xr-x 0/1 0 Nov 19 14:09 1996 COMM_SERVER/progs/MTCIS/TCIS/
-rwxr-xr-x 0/1 273656 Jan 14 18:29 1996 COMM_SERVER/progs/MTCIS/TCIS/tcis
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/MTCIS/T_MP/N/
-rxr-xr-x 0/1 992 Jan 14 18:27 1996 COMM_SERVER/progs/MTCIS/T_MP/N/mpn_start
-rxr-xr-x 0/1 3413 Jan 14 18:27 1996 COMM_SERVER/progs/MTCIS/T_MP/N/mpn_stop
-rxr-xr-x 0/1 2939 Jan 14 18:27 1996 COMM_SERVER/progs/MTCIS/T_MP/N/tns_start
-rxr-xr-x 0/1 962 Jan 14 18:27 1996 COMM_SERVER/progs/MTCIS/T_MP/N/tns_stop
-rxr-xr-x 0/1 1734 Jan 14 18:27 1996 COMM_SERVER/progs/MTCIS/T_MP/N/x25_start
-rxr-xr-x 0/1 1379 Jan 14 18:27 1996 COMM_SERVER/progs/MTCIS/T_MP/N/x25_start2
-rxr-xr-x 0/1 6532 Jan 14 18:27 1996 COMM_SERVER/progs/MTCIS/T_MP/N/x25_start3
-rxr-xr-x 0/1 1919 Jan 14 18:27 1996 COMM_SERVER/progs/MTCIS/T_MP/N/lan_start2
-rxr-xr-x 0/1 4398 Jan 14 18:27 1996 COMM_SERVER/progs/MTCIS/T_MP/N/lan_start3
-rxr-xr-x 0/1 256 Nov 13 10:22 1996 COMM_SERVER/progs/COMSRV.netadmin.start
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/MPN/
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/MPN/bin/
-rwxr-xr-x 0/1 10088 Feb 21 22:19 1996 COMM_SERVER/progs/MPN/bin/ixndbsta
-rxr-xr-x 0/1 2816 Jan 14 18:32 1996 COMM_SERVER/progs/MPN/bin/S80mpn
-rxr-xr-x 0/1 13559 Feb 21 21:46 1996 COMM_SERVER/progs/MPN/bin/S81mpn
-rxr-xr-x 0/1 1956 Feb 21 22:19 1996 COMM_SERVER/progs/MPN/bin/S89tns
-rxr-xr-x 0/1 2309 Jul 26 14:26 1996 COMM_SERVER/progs/MPN/bin/mpn
-rxr-xr-x 0/1 2986 Feb 21 21:46 1996 COMM_SERVER/progs/MPN/bin/mpn.prep
-rxr-xr-x 0/1 776 Jan 14 18:32 1996 COMM_SERVER/progs/MPN/bin/saveip
-rxr-xr-x 0/1 2255 Jan 14 18:32 1996 COMM_SERVER/progs/MPN/bin/tcimload
-rwxr-xr-x 0/1 10140 Feb 21 22:19 1996 COMM_SERVER/progs/MPN/bin/ixedbsta
-rwxr-xr-x 0/1 20464 Feb 21 22:19 1996 COMM_SERVER/progs/MPN/bin/ietune
-rwxr-xr-x 0/1 19992 Feb 21 22:19 1996 COMM_SERVER/progs/MPN/bin/ixemap
-rwxr-xr-x 0/1 51400 Feb 21 22:19 1996 COMM_SERVER/progs/MPN/bin/ixnstr
-rwxr-xr-x 0/1 50168 Feb 21 22:19 1996 COMM_SERVER/progs/MPN/bin/ixnstp
-rwxr-xr-x 0/1 11164 Feb 21 22:19 1996 COMM_SERVER/progs/MPN/bin/tcimstk1
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/MPN/config/
-rxr-xr-x 0/1 108 Aug 20 15:47 1996 COMM_SERVER/progs/MPN/config/MPN.TCIM.LOAD
-rw-rw-rw- 0/1 2241 Aug 20 15:47 1996 COMM_SERVER/progs/MPN/config/MPN.X25.CONFIG
```

VDD/N250-94-L0119-014
Rev A.4 - February 10, 1997

```

-rw-rw-rw- 0/1 0 Aug 27 15:39 1996 COMM_SERVER/progs/MPN/config/MPN_BOOT.LAN
-rw-rw-rw- 0/1 0 Aug 27 15:39 1996 COMM_SERVER/progs/MPN/config/MPN_BOOT.TNS
-rwxrwxrwx 0/1 28 Aug 27 15:39 1996 COMM_SERVER/progs/MPN/config/IP.ADDRESS
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/MPN/data/
-r-xr-xr-x 0/1 3 Aug 27 15:39 1996 COMM_SERVER/progs/MPN/data/interface
-r-xr-xr-x 0/1 153 Aug 20 15:47 1996 COMM_SERVER/progs/MPN/data/ixemapconf
-r-xr-xr-x 0/1 61 Aug 20 15:47 1996 COMM_SERVER/progs/MPN/data/ixetuneconf
-rw-rw-rw- 0/1 44 Aug 20 15:47 1996 COMM_SERVER/progs/MPN/data/tcmstack
-rw-rw-rw- 0/1 61 Aug 27 15:40 1996 COMM_SERVER/progs/MPN/data/ip_config
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/MPN/scripts/
-r-xr-xr-x 0/1 821 Apr 26 16:46 1996 COMM_SERVER/progs/MPN/scripts/tns.c.REFRESH
-r-xr-xr-x 0/1 1734 Jan 14 18:33 1996 COMM_SERVER/progs/MPN/scripts/tns.c.REG
-r-xr-xr-x 0/1 532 Jan 14 18:33 1996 COMM_SERVER/progs/MPN/scripts/tns.c.REREG
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/MPN/slia/
-rwxr-xr-x 0/1 22824 Feb 21 22:19 1996 COMM_SERVER/progs/MPN/slia/slia
-rw-rw-rw- 0/1 199 Aug 27 15:40 1996 COMM_SERVER/progs/MPN/slia/SLIA.LOG
-rw-rw-rw- 0/1 14 Aug 27 15:40 1996 COMM_SERVER/progs/MPN/slia/MPN.IP.ADDRESS
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/MPN/snox/
-rwxr-xr-x 0/1 25044 Feb 21 22:19 1996 COMM_SERVER/progs/MPN/snox/snox
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/MPN/status/
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/MPN/status/log/
-rwxr-xr-x 0/1 76762 Aug 27 15:40 1996 COMM_SERVER/progs/MPN/status/log/mpn.boot.log
-rw-rw-rw- 0/1 14 Aug 27 15:40 1996 COMM_SERVER/progs/MPN/status/MPN.IP.ADDRESS
-rw-rw-rw- 0/1 15 Aug 27 15:40 1996 COMM_SERVER/progs/MPN/status/IP.ADDRESS
-rw-rw-rw- 0/1 46 Aug 27 15:40 1996 COMM_SERVER/progs/MPN/status/resolv.conf
-rw-rw-rw- 0/1 17 Aug 27 15:40 1996 COMM_SERVER/progs/MPN/status/TNS.IP.ADDRESS
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/MPN/stns/
-rwxr-xr-x 0/1 36840 Feb 21 22:19 1996 COMM_SERVER/progs/MPN/stns/stns
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/MPN/sxia/
-rwxr-xr-x 0/1 56264 Feb 21 22:19 1996 COMM_SERVER/progs/MPN/sxia/sxia
-rw-rw-rw- 0/1 10822 Aug 20 15:47 1996 COMM_SERVER/progs/MPN/sxia/SXIA.LOG
-rw-rw-rw- 0/1 12 Aug 20 15:47 1996 COMM_SERVER/progs/MPN/sxia/MPN.IP.ADDRESS
-rw-rw-rw- 0/1 12 Aug 20 15:47 1996 COMM_SERVER/progs/MPN/sxia/MPN.X25.ADDRESS
-rw-rw-rw- 0/1 3 Aug 20 15:47 1996 COMM_SERVER/progs/MPN/sxia/MPN.TCIM.INFO
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/app-defaults/
-rw-r-r-- 0/3 22073 Nov 18 08:21 1996 COMM_SERVER/progs/app-defaults/Netadmin
-r-xr-xr-x 0/1 421 Mar 20 09:07 1996 COMM_SERVER/progs/app-defaults/Ftprcv
-rwxrwxrwx 0/1 851 Nov 18 08:15 1996 COMM_SERVER/progs/app-defaults/Xtest
-r-xr-xr-x 0/1 421 Mar 20 09:07 1996 COMM_SERVER/progs/app-defaults/Ftprcv.sav
-r-xr-xr-x 0/1 25917 Mar 20 09:07 1996 COMM_SERVER/progs/app-defaults/Netadmin.sav
-rw-rw-rw- 0/1 123 Jul 1 08:39 1996 COMM_SERVER/progs/app-defaults/Commstat
-rw-r-r-- 0/1 25604 Aug 21 16:56 1996 COMM_SERVER/progs/app-defaults/Netadmin.SCO
-r-xr-xr-x 0/1 24028 Aug 21 15:22 1996 COMM_SERVER/progs/app-defaults/Netadmin.SOL
-r-xr-xr-x 0/1 176 Mar 14 08:55 1996 COMM_SERVER/progs/COMSRV.xtest.start
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/SPP/
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/SPP/bin/
-rwxr-xr-x 0/1 175 Nov 28 19:14 1995 COMM_SERVER/progs/SPP/bin/LOAD
-rwxr-xr-x 0/1 373 Feb 14 14:38 1996 COMM_SERVER/progs/SPP/bin/S80mts
-rwxr-xr-x 0/1 370 Feb 14 14:37 1996 COMM_SERVER/progs/SPP/bin/S80spp
-rwxr-xr-x 0/1 4703 Feb 14 14:43 1996 COMM_SERVER/progs/SPP/bin/S81mts
-rwxr-xr-x 0/1 4550 Feb 14 14:43 1996 COMM_SERVER/progs/SPP/bin/S81spp
-rwxr-xr-x 0/1 8320 Feb 22 13:20 1996 COMM_SERVER/progs/SPP/bin/asp
-rwxr-xr-x 0/1 1369 Feb 22 17:27 1996 COMM_SERVER/progs/SPP/bin/conreq
-rwxr-xr-x 0/1 34560 Feb 22 13:21 1996 COMM_SERVER/progs/SPP/bin/conspp
-rw-r-r-- 0/1 22148 Feb 13 13:42 1996 COMM_SERVER/progs/SPP/bin/iphn_spp
-rwxr-xr-x 0/1 30992 Feb 22 13:21 1996 COMM_SERVER/progs/SPP/bin/iphnstp
-rwxr-xr-x 0/1 34924 Mar 29 13:43 1996 COMM_SERVER/progs/SPP/bin/iphnstr
-rwxr-xr-x 0/1 34924 Feb 22 13:21 1996 COMM_SERVER/progs/SPP/bin/iphnstr_mts
-rwxr-xr-x 0/1 35380 Feb 22 13:21 1996 COMM_SERVER/progs/SPP/bin/iphnstr_spp
-rwxr-xr-x 0/1 8384 Feb 22 13:21 1996 COMM_SERVER/progs/SPP/bin/killit
-rwxr-xr-x 0/1 1374 Feb 15 12:51 1996 COMM_SERVER/progs/SPP/bin/mts
-rwxr-xr-x 0/1 1583 Feb 20 19:12 1996 COMM_SERVER/progs/SPP/bin/spp
-rwxr-xr-x 0/1 587 Feb 8 20:30 1996 COMM_SERVER/progs/SPP/bin/spp.prep
-rwxr-xr-x 0/1 8724 Feb 22 13:21 1996 COMM_SERVER/progs/SPP/bin/srvstart
-rwxr-xr-x 0/1 14020 Feb 22 13:21 1996 COMM_SERVER/progs/SPP/bin/tciminfo
-rwxr-xr-x 0/1 1497 Feb 7 18:33 1996 COMM_SERVER/progs/SPP/bin/tcimload
-rwxr-xr-x 0/1 9028 Feb 22 13:21 1996 COMM_SERVER/progs/SPP/bin/tcimstk3
-rwxr-xr-x 0/1 7128 Feb 22 13:21 1996 COMM_SERVER/progs/SPP/bin/unstk3
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/SPP/status/
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/SPP/status/log/
-rw-r-r-- 0/1 222523 Mar 29 13:43 1996 COMM_SERVER/progs/SPP/status/log/spp.boot.log
-rw-rw-rw- 0/1 3 Mar 29 13:43 1996 COMM_SERVER/progs/SPP/status/TCIM.INFO

```

VDD/N250-94-L0119-014
Rev A.4 - February 10, 1997

```
-rw-rw-rw- 0/1 4539 Mar 29 13:43 1996 COMM_SERVER/progs/SPP/status/IPNSTR.LOG
-rw-rw-rw- 0/1 0 Mar 29 13:43 1996 COMM_SERVER/progs/SPP/status/SPP_BOOT.MTS.UP
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/SPP/build/
-rwxr-xr-x 0/1 186 Feb 16 20:43 1996 COMM_SERVER/progs/SPP/build/ipnload
-rw-r--r-- 0/1 20860 Mar 29 13:43 1996 COMM_SERVER/progs/SPP/build/ippn
-rw-r--r-- 0/1 172 Feb 9 18:30 1996 COMM_SERVER/progs/SPP/build/ippn.conf
-rw-r--r-- 0/1 21176 Feb 22 13:21 1996 COMM_SERVER/progs/SPP/build/ippn_spp
-rw-r--r-- 0/1 20860 Feb 22 13:21 1996 COMM_SERVER/progs/SPP/build/ippn_mts
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/SPP/config/
-rwxr-xr-x 0/1 102 Mar 29 13:43 1996 COMM_SERVER/progs/SPP/config/PROTOCOL_MTS.DAT
-rwxr-xr-x 0/1 105 Mar 21 09:05 1996 COMM_SERVER/progs/SPP/config/PROTOCOL_SPP.DAT
-rw-rw-rw- 0/1 2871 Feb 15 13:41 1996 COMM_SERVER/progs/SPP/config/SPP041.CONFIG.SAV
-rw-r--r-- 0/1 290 Mar 29 13:43 1996 COMM_SERVER/progs/SPP/config/SPP041.CONFIG
-rw-r--r-- 0/1 290 Mar 29 13:43 1996 COMM_SERVER/progs/SPP/config/SPP.CONFIG
-rw-r--r-- 0/1 102 Mar 29 13:43 1996 COMM_SERVER/progs/SPP/config/PROTOCOL.DAT
-rw-r--r-- 0/1 0 Mar 21 09:05 1996 COMM_SERVER/progs/SPP/config/CURRHOST
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/SPP/data/
-rw-rw-rw- 0/1 140 Mar 29 13:43 1996 COMM_SERVER/progs/SPP/data/tcimstack
drwxr-xr-x 0/1 0 Nov 28 18:52 1995 COMM_SERVER/progs/SPP/loader/
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/SPP/tciminfo/
-rwxr-xr-x 0/1 14004 Feb 8 20:25 1996 COMM_SERVER/progs/SPP/tciminfo/tciminfo
-rw-rw-rw- 0/1 764 Mar 29 13:43 1996 COMM_SERVER/progs/SPP/tciminfo/TCIMINFO.LOG
-rw-rw-rw- 0/1 3 Mar 29 13:43 1996 COMM_SERVER/progs/SPP/tciminfo/TCIM.INFO
-rwxrwxrwx 0/1 405 Jun 28 13:59 1996 COMM_SERVER/progs/start_comstat
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/a220.sav/
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/a220.sav/bin
-rwxr-xr-x 0/1 6012 Apr 24 20:16 1996 COMM_SERVER/progs/a220.sav/bin/S81a220
-rwxr-xr-x 0/1 1908 Apr 24 16:44 1996 COMM_SERVER/progs/a220.sav/bin/a220.prep
-rwxr-xr-x 0/1 92 Apr 25 16:04 1996 COMM_SERVER/progs/a220.sav/bin/a220mapnet
-rwxr-xr-x 0/1 494 Apr 24 20:13 1996 COMM_SERVER/progs/a220.sav/bin/tcimload
-rwxr-xr-x 0/1 14024 Mar 2 17:14 1996 COMM_SERVER/progs/a220.sav/bin/tciminfo
-rwxr-xr-x 0/1 9028 Apr 24 20:30 1996 COMM_SERVER/progs/a220.sav/bin/faemap
-rwxr-xr-x 0/1 60212 Apr 9 12:16 1996 COMM_SERVER/progs/a220.sav/bin/iaestr
-rwxr-xr-x 0/1 194 Apr 24 20:11 1996 COMM_SERVER/progs/a220.sav/bin/LOAD
-rwxr-xr-x 0/1 1385 Apr 24 20:08 1996 COMM_SERVER/progs/a220.sav/bin/a220
-rwxr-xr-x 0/1 1818 Mar 15 19:56 1996 COMM_SERVER/progs/a220.sav/bin/S80a220
-rwxr-xr-x 0/1 9636 Mar 22 18:08 1996 COMM_SERVER/progs/a220.sav/bin/iaedbsta
-rwxr-xr-x 0/1 58676 Apr 8 20:42 1996 COMM_SERVER/progs/a220.sav/bin/iaestp
-rwxr-xr-x 0/1 11008 Apr 24 22:56 1996 COMM_SERVER/progs/a220.sav/bin/tcimstk4
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/a220.sav/build/
-rxr-xr-x 0/1 53 Mar 15 19:06 1996 COMM_SERVER/progs/a220.sav/build/iaeload
-rw-r--r-- 0/1 54684 Apr 22 16:11 1996 COMM_SERVER/progs/a220.sav/build/iae
-rxr-xr-x 0/1 39 Mar 2 17:15 1996 COMM_SERVER/progs/a220.sav/build/iae.conf
-rxr-xr-x 0/1 106 Mar 2 17:15 1996 COMM_SERVER/progs/a220.sav/build/autopush.iatun
-rw-r--r-- 0/1 5900 Mar 2 17:19 1996 COMM_SERVER/progs/a220.sav/build/iatun
-rxr-xr-x 0/1 74 Mar 2 17:15 1996 COMM_SERVER/progs/a220.sav/build/iatunload
-rwxrwxrwx 0/1 169 Mar 15 18:16 1996 COMM_SERVER/progs/a220.sav/build/rem_iatun
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/a220.sav/config/
-rw-r--r-- 0/1 6283 Mar 18 13:45 1996 COMM_SERVER/progs/a220.sav/config/A220.CONFIG.4w
-rw-r--r-- 0/1 6283 Mar 18 13:45 1996 COMM_SERVER/progs/a220.sav/config/A220.CONFIG.sg
-rwxr-xr-x 0/1 6283 Mar 18 13:45 1996 COMM_SERVER/progs/a220.sav/config/A220.CONFIG.2w
-rwxr-xr-x 0/1 108 May 6 09:40 1996 COMM_SERVER/progs/a220.sav/config/A220.TCIM.LOAD
-rw-r--r-- 0/1 777 May 6 09:40 1996 COMM_SERVER/progs/a220.sav/config/A220.CONFIG
-rw-rw-rw- 0/1 0 Aug 30 13:28 1996 COMM_SERVER/progs/a220.sav/config/A220_BOOT.A220
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/a220.sav/data/
-rw-rw-rw- 0/1 142 Aug 30 13:28 1996 COMM_SERVER/progs/a220.sav/data/tcimstack
-rw-rw-rw- 0/1 56 Aug 30 13:28 1996 COMM_SERVER/progs/a220.sav/data/ip_config
-rw-r--r-- 0/1 13 Aug 30 13:28 1996 COMM_SERVER/progs/a220.sav/data/iaesubnet
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/a220.sav/status/
-rw-rw-rw- 0/1 604 Aug 30 13:28 1996 COMM_SERVER/progs/a220.sav/status/A220.BOOT.LOG
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/progs/a220.sav/status/log/
-rw-r--r-- 0/1 19227 Aug 30 13:28 1996 COMM_SERVER/progs/a220.sav/status/log/a220.boot.log
-rw-rw-rw- 0/1 758 Aug 30 13:28 1996 COMM_SERVER/progs/a220.sav/status/TCIMINFO.LOG
-rw-rw-rw- 0/1 3 Aug 30 13:28 1996 COMM_SERVER/progs/a220.sav/status/TCIM.INFO
-rw-rw-rw- 0/1 13 Aug 30 13:28 1996 COMM_SERVER/progs/a220.sav/status/IP.ADDRESS
--wx--x-- 0/1 3 Aug 30 13:28 1996 COMM_SERVER/progs/a220.sav/status/strcf.log
-rw-rw-rw- 0/1 4309 Aug 30 13:28 1996 COMM_SERVER/progs/a220.sav/status/IAESTR.LOG
drwxr-xr-x 0/1 0 Feb 29 12:11 1996 COMM_SERVER/progs/a220.sav/tciminfo/
drwxr-xr-x 0/1 0 Nov 19 14:12 1996 COMM_SERVER/SegDescrip/
-rxr-xr-x 0/1 599 Nov 12 14:36 1996 COMM_SERVER/SegDescrip/DEINSTALL
-r--r--r-- 0/1 38 Nov 12 14:36 1996 COMM_SERVER/SegDescrip/Hardware
-rxr-xr-x 0/1 2528 Nov 12 14:36 1996 COMM_SERVER/SegDescrip/PostInstall
```

VDD/N250-94-L0119-014
Rev A.4 - February 10, 1997

```
-r--r--r-- 0/1 882 Nov 19 14:11 1996 COMM_SERVER/SegDescrip/ReleaseNotes
-rw-rw-r-- 0/1 2063 Nov 12 14:36 1996 COMM_SERVER/SegDescrip/SegInfo
-rw-rw-r-- 0/1 111 Nov 12 14:36 1996 COMM_SERVER/SegDescrip/SegName
-r--r--r-- 0/1 17 Nov 12 14:41 1996 COMM_SERVER/SegDescrip/VERSION
-rw-rw-rw- 0/1 116 Nov 19 14:12 1996 COMM_SERVER/SegDescrip/Validated
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER(bitmap/
-r--r--r-- 0/1 1877 Jan 14 18:35 1996 COMM_SERVER(bitmap/comm.img
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER(data/
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER(data/Profiles/
-r--r--r-- 0/1 262 Jan 14 18:35 1996 COMM_SERVER(data/Profiles/LD.CS.SKEL
-r--r--r-- 0/1 296 Jan 14 18:35 1996 COMM_SERVER(data/Profiles/LaunchDesc.COMSRV
-r--r--r-- 0/1 69 Jan 14 18:35 1996 COMM_SERVER(data/Profiles/LaunchList.COMSRV
-r--r--r-- 0/1 100 Jan 14 18:35 1996 COMM_SERVER(data/Profiles/Profiles.COMSRV
-rw-r--r-- 0/1 1846 Nov 19 13:53 1996 COMM_SERVER(data/DATA_FILES
-rw-r--r-- 0/1 201 Nov 19 13:53 1996 COMM_SERVER(data/UID_GID_FILES
drwxr-xr-x 0/1 0 Nov 19 14:10 1996 COMM_SERVER/lib/
lrwxrwxrwx 0/1 20 Nov 19 14:10 1996 COMM_SERVER/lib/libMrm.so.3 symbolic link to /usr/lib/libMrm.so.2
lrwxrwxrwx 0/1 19 Nov 19 14:10 1996 COMM_SERVER/lib/libXm.so.3 symbolic link to /usr/lib/libXm.so.2
-rw-rw-rw- 0/1 514 May 13 10:07 1996 COMM_SERVER/app-defaults
lrwxrwxrwx 0/1 5 Nov 19 14:10 1996 COMM_SERVER/bin symbolic link to progs
```